

What is claimed is:

1. A glass panel having a simulated metal strip applied thereto in a decorative pattern, comprising:

- (a) a flat panel of glass having an outer surface and an inner surface;
- (b) a raised bead of air-curable acrylic resin applied in a prescribed pattern to at least one of said outer and inner surfaces of said glass panel; and
- (c) a metal film overlying said bead of acrylic resin.

2. The glass panel of Claim 1 for use in interior environments wherein said raised bead of acrylic resin is about 2.0 mm to about 5.0 mm in width and about 0.8 mm to about 1.1 mm in height.

3. The glass panel of Claim 1 for use in exterior environments wherein said metal film comprises:

- a layer of adhesive for bonding to said raised bead of acrylic resin substrate;
- an intermediate layer of aluminum; and
- a layer of protective material.

4. The glass panel of Claim 3 further including a layer of dye between said layer of aluminum and said top layer of protective material.

5. The glass panel of Claim 1 for use in exterior or harsh environments wherein said flat panel of glass is tempered glass and said metal film comprises:

- a bottom layer of adhesive for bonding to said raised bead of acrylic resin substrate;
- an intermediate layer of chrome; and
- a top layer of protective material.

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6. The glass panel of Claim 5 further including a layer of ferrous oxide between said layer of chrome and said layer of protective material.

5 7. The glass panel of Claim 5 wherein said metal film is capable of withstanding temperatures up to 200° F and is impervious to moisture and ultraviolet light.

8. A decorative window or door, comprising:

10 (a) a peripheral support frame having a pair of opposed spaced apart side walls and a pair of opposed spaced apart end walls;

(b) a glass panel secured and supported by said frame, having:

15 (i) a flat panel of glass having an outer surface and an inner surface;

(ii) a raised bead of air-curable acrylic resin applied in a prescribed pattern to at least one of said outer and inner surfaces of said glass panel; and

20 (iii) a metal film overlying said bead of acrylic resin, wherein said metal film simulates a metal strip.

25 9. The glass panel of Claim 8 wherein said raised bead of acrylic resin is about 2.0 mm to about 5.0 mm in width and about 0.8 mm to about 1.1 mm in height.

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10. The glass panel of Claim 8 for use in interior environments wherein said metal film comprises:

a layer of adhesive for bonding to said raised bead of acrylic resin;
an intermediate layer of aluminum; and
a layer of protective material.

11. The glass panel of Claim 10 further including a layer of dye between said layer of aluminum and said layer of protective material.

12. The glass panel of Claim 8 for use in exterior or harsh environments wherein said flat panel of glass is tempered glass and said metal film comprises:

a layer of adhesive for bonding to said raised bead of acrylic resin;
an intermediate layer of chrome; and
a layer of protective material.

13. The glass panel of Claim 12 further including a layer of ferrous oxide between said layer of chrome and said layer of protective material.

14. The glass panel of Claim 12 wherein said metal film is capable of withstanding temperatures up to 200° F and is impervious to moisture and ultraviolet light.

15. A method for making a glass panel having a simulated metal strip applied thereto in a decorative pattern, comprising:

- (a) applying with an X-Y plotter a raised bead of air-curable acrylic resin in a prescribed pattern to a flat glass window or door panel surface;
- (b) air curing said acrylic resin; and

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(c) applying a metal film to said raised bead of acrylic resin at a temperature sufficient to bond said metal film to said raised bead of acrylic resin.

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16. The method of Claim 15 wherein said X-Y plotter applies said raised bead of acrylic resin to be between about 2.0 mm to about 5.0 mm in width and about 0.8 mm to about 1.1 mm in height.

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17. The method of Claim 15 wherein said acrylic resin bead is air-cured at about 72° F for about 24 to 48 hours until reaching a hardness of 65% on a 0% to 100% durometer scale when a 1.0 mm flat point needle is completely compressed against said resin bead for 3 seconds, creating a force of 10 Newtons at the needle.

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18. The method of Claim 15 wherein said metal film is applied by pressing said metal film for interior use against said raised bead of acrylic resin with a rubber roller heated to a temperature of about 300° F to 380° F.

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19. The method of Claim 15 wherein said metal film is applied by pressing said metal film for exterior use against said raised bead of acrylic resin with a rubber roller heated to a temperature of about 350° F to 430° F.

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